

 MONARCH WATER

GEMINI

INSTALL GUIDE

REVERSE OSMOSIS MACHINE

WELLBEINGTM

 .RO

EVOLUTION SINCE 1964

IMPORTANT READ BEFORE COMMENCING INSTALLATION

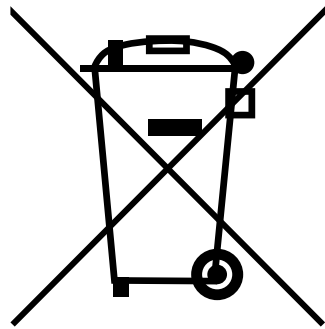
ALL GEMINI UNITS MUST BE INSTALLED BY A COMPETENT PERSON.

UNIT SPECIFICATIONS:

Feed water quality: Municipal tap water
 Voltage and frequency: 100-240V, 50/60Hz
 Power input: 96W
 Purified water flow: 1.2L/Min
 Feed water temperature: 5-45 °c
 Feed-water TDS: ≤ 250ppm
 Feed-water Chlorine level: ≤ 0.2ppm
 Rejection: 90-99%
 Feed-water pressure: 0.1-0.4 Mpa
 Electric shock resistance: type II

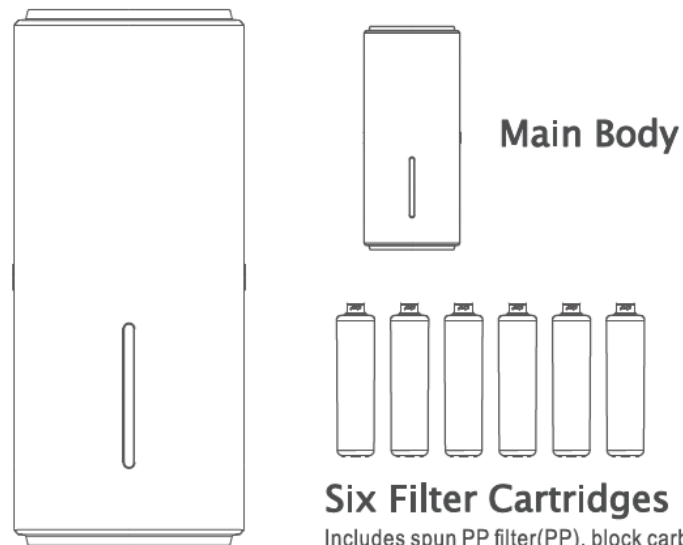
CONTENTS OF PACKAGE:

Reverse Osmosis Unit - 1 pc
 Housing Wrench - 1 pc
 Food Grade Tubing - 3 pcs (Red, White, Blue)
 Faucet - 1 pc
 Accessories - Tube Plug, Screws, Drain Clamp, Tee Fitting,
 Ball Valve, Feed Water Valve
 RO Membrane - 2 pc
 Install manual - 1 pc



The symbol above means that according to United Kingdom and European Union member countries laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/ or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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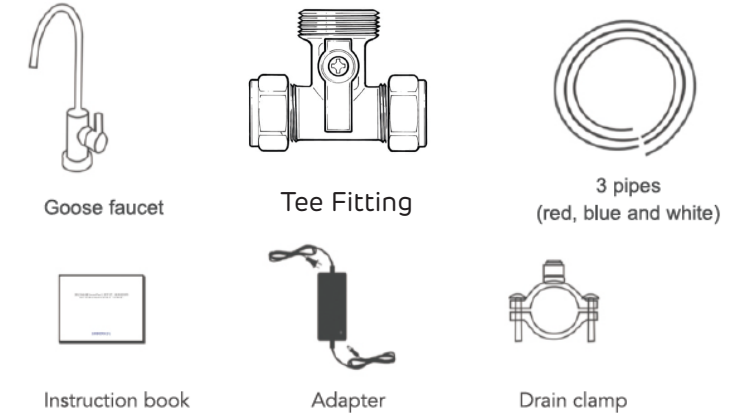


Six Filter Cartridges
 Includes spun PP filter(PP), block carbon filter(CTO), coconut carbon filter(COC), 2pcs x reverse osmosis membrane(RO), and post activated carbon filter(T-33).

One Accessory Box

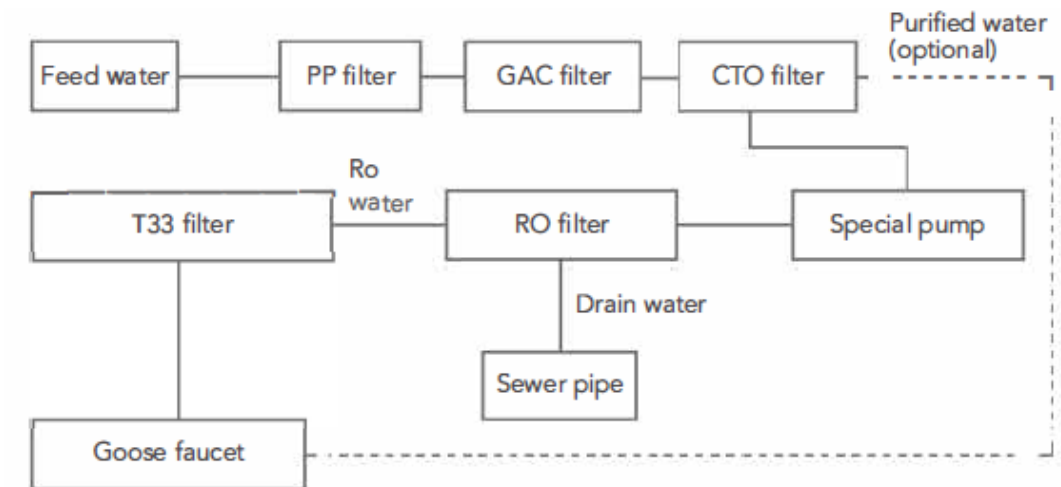
Includes faucet, 3-way ball valve, three pipes, instruction book, adapter and drain clamp.

Images of accessories for reference:

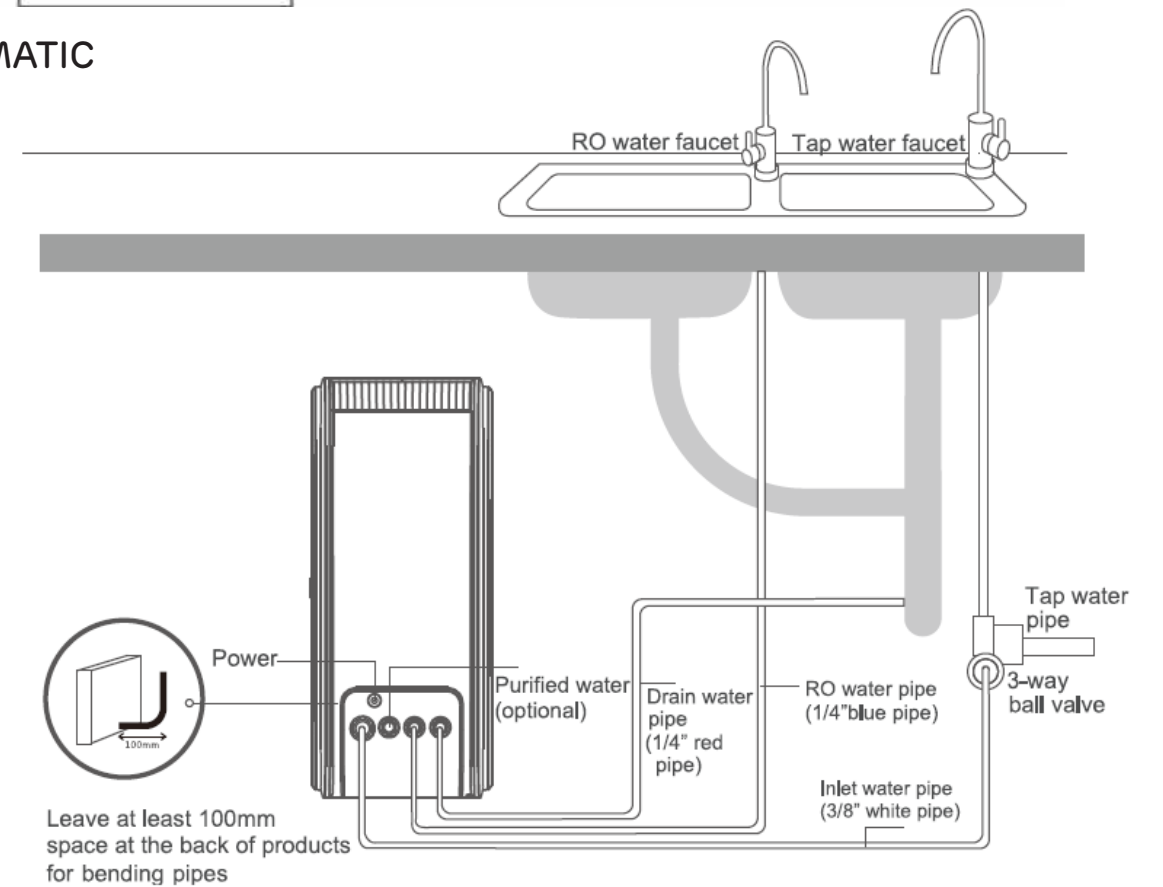


Note: Pictures are for reference only, subject to our available products.

/ HOW YOUR SYSTEM WORKS



/ SCHEMATIC

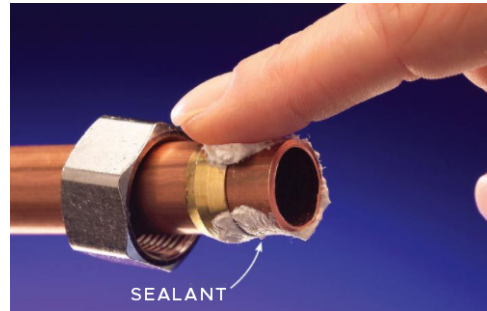


/ FEED WATER VALVE AND TEE FITTING

- Install Tee Fitting Valve shown below to your 15mm cold water pipe.
- Attach the grey plastic adapter to the male thread on the tee fitting.
- Apply sealant to olive as shown in right hand picture below.
- Ensure the compression fittings and the grey fitting are secured tight to seal
- Connect White Feed Water Tubing from unit to Feed Water Valve.

/ WARNING

Ensure chrome nut compression and grey plastic adapter are tight to seal.



/ NOTE

Use only a cold potable water supply as Feed Water, hot water will damage your unit. Softened Feed Water will extend the life of the RO Membrane.

/ INSTALLING THE BARI TAP

The faucet should be placed in a convenient area near the sink tap. There should be a reasonable amount of space above and below the faucet mounting position to allow to connections to the RO unit.

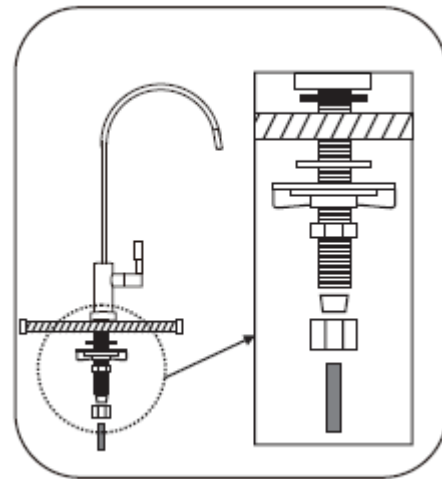
There should be a 2" diameter area for the faucet to be mounted.

The thickness of mounting surface should not exceed 32mm.

Select a convenient location near your sink to place the faucet. Drill a hole 12mm in diameter into the counter top.

Place washers, plates, seals and nuts in order as per diagram and tighten on the countertop. Screw the grey plastic adapter on the bottom of the faucet.

Attach the **Blue Pure Water tubing** to the grey plastic adapter on the bottom of faucet and connect tubing to unit.



/ DRAIN CLAMP INSTALLATION

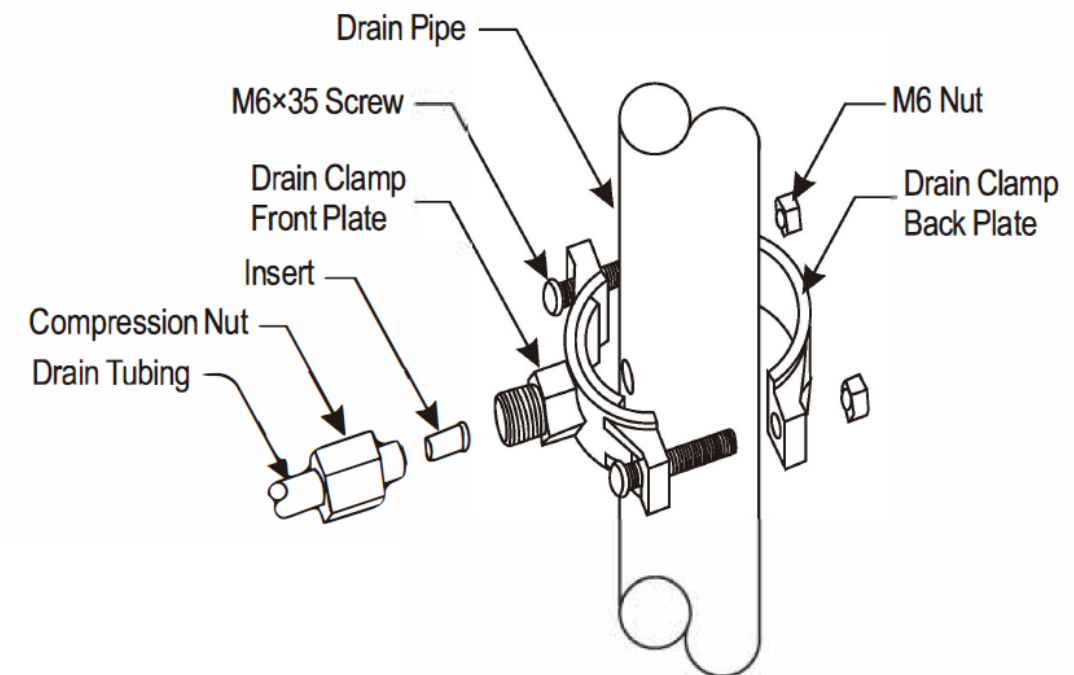
Position drain clamp on drain pipe above the drain trap and tighten securely. Using the drain clamp as a guide, drill a 6mm hole, enough for the 1/4" tubing to pass, through one side of the drain pipe. **DO NOT** drill through both sides. Connect **Red Waste Water Tubing** from unit to Drain Clamp.

/ NOTE

When cutting the tubing make clean, square, cuts, failing to do so result in poor connection and possible leaks.

/ WARNING

The lowest point of the line should be the point of connection to the Drain Clamp. There should be no sag in the line as this may cause excessive noise as the reject water is flowing to drain.



/ FIRST USE INSTRUCTIONS

1. Connect RO system and adapter, turning the power indicator light on, the buzzer will ring three times, let the machine flush for 90 seconds. The indicator light will flash slowly and be lit blue .
2. The RO system begins making water with the indicator light flashing. When the system enters standby mode or when the water tank is full the indicator light is a static blue.
3. When the RO system stops making water, the indicator light is red. The buzzer rings 30 times after working continuously for 6 hours or a water leak is detected.

Note: Under normal operation, please draw water off for 10-15 minutes for cartridges to flush when using for the first time.

/ CARTRIDGES REPLACEMENT AND REMINDER

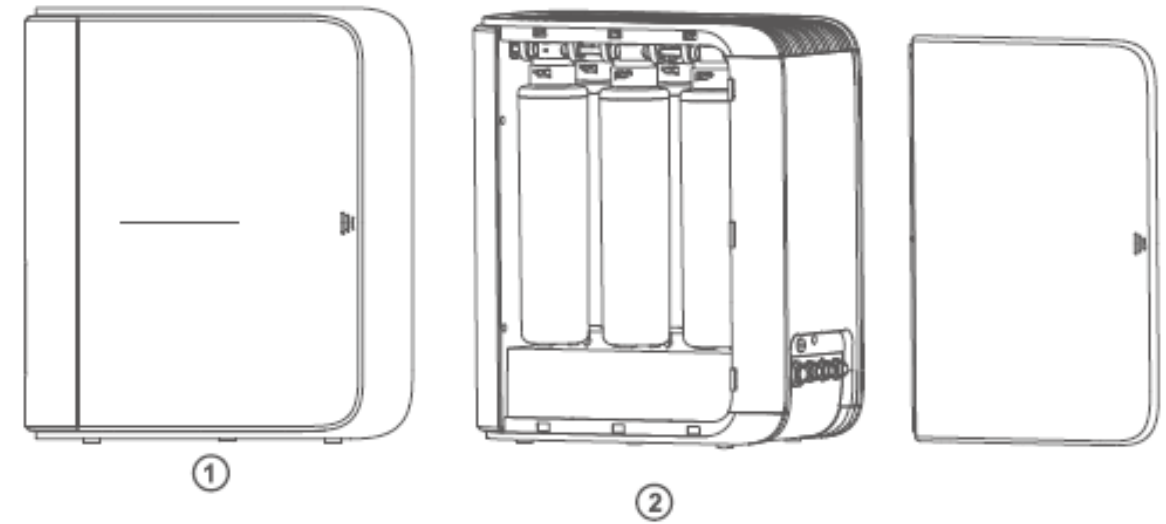
STAGES	FILTER CARTRIDGE	FUNCTION	FILTER REPLACEMENT (FOR REFERENCE ONLY)
The first stage	Spun PP filter	Removes larger suspended particles in water	6 months
The second stage	Block carbon filter	Removes the chlorine effectively, adsorbs the color and odor, and further filters the tiny impurities in water to extend the service life of RO membrane.	6 months
The third stage	Coconut carbon filter	Removes the chlorine effectively, adsorbs the color and odor, and further filters the tiny impurities in water to extend the service life of RO membrane.	6 months
The fourth stage	RO membrane	Removes bacteria, heavy metals, dissolved matters and salinity	Upon Exhaustion
The fifth stage	Post Carbon filter	Adjusts the taste of purified water	6 months

/ NOTE

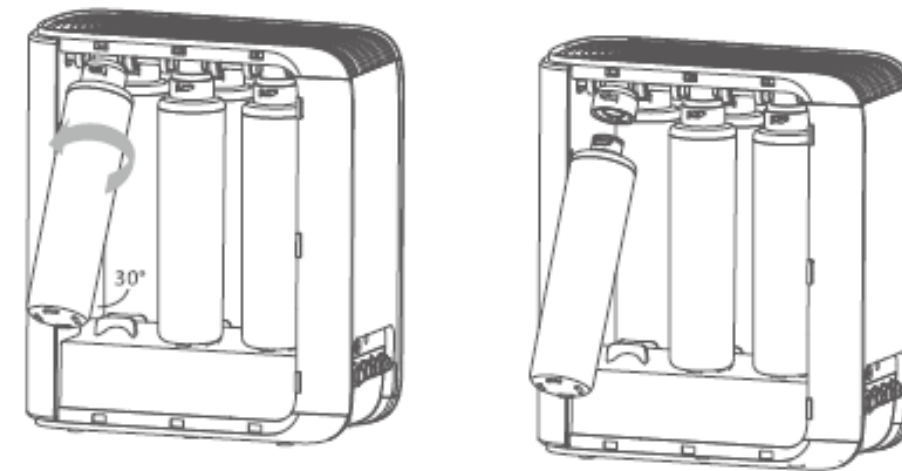
Cartridge replacement reminder: Filters are to be replaced every 6 months. However, after working for 50 hours cumulatively, indicator light turns green and buzzer keeps ringing for 10 seconds. Please turn machine off for 15 seconds then turn back on.

/ CARTRIDGE REPLACEMENT

Please cut off the water, turn off the power, open RO water faucet and discharge water in pipeline before replacing cartridges.



2. Lift up cartridge 30°, rotate anticlockwise then remove it.



3. Install new cartridge by rotating clockwise according to specifications, then fix the side board.



Note: Please reset cartridges after replacement.

/ TROUBLESHOOTING

Troubles	Cause	Solution
Water pump is out of service and system does not work	Insufficient feed water pressure	Increase feed water pressure
	No power or power failure	Power-on
	High pressure switch is out of order	Replace high pressure switch
	Pump is blocked and adapter fuse burn-out	Replace adapter and repair water pump
Water pump works but system does not work	RO membrane is blocked	Replace RO membrane
	water pump pressure loss	Repair water pump
	Flush solenoid valve is damaged	Replace flush solenoid valve
Constantly running water in downtime	Inlet water solenoid valve damaged	Replace inlet water solenoid valve
Cannot stop working when pressure tank is full or repetitive starting	High pressure switch is damaged	Repair or replace high pressure switch
	Check valve is damaged	Replace Check valve

/ PRECAUTIONS FOR USE

1. Wash and replace cartridges regularly.
2. Do not disassemble parts randomly, it may cause leakage or damage.
3. Do not use power supply with disproportional rated voltage.
4. Please pull the power plug and cut off the feed water valve if long term storage.
5. Do not store or explore in an environment of 0°C or below.
6. Handle with care when discharging, moving and installing.

/ REMINDERS

1. Please turn off the feed water ball valve and cut off the source water to avoid the "water hammer phenomenon" which may lead to leakage or damage to housings and filters if go out in daytime or after the last use at night. Our company would not take the responsibility of the consequence caused by this situation.
2. Please cut off power and source water at once in case troubles occur and ask professional staff to repair.
3. Professional staff are advised to replace cartridges.
4. In state of insufficient water input, indicator light turns yellow and buzzer keeps ringing for 5 seconds.

Note: in the first time running, make sure the system is installed and operated correctly without any problem before opening the faucet. Keep flushing the filters for 10 to 15 minutes before collecting the first glass of water for drinking.

PS: please let the system working normally for over 90 minutes before any test.

/ SAFETY INSTRUCTIONS

This appliance is intended to operate and function as per the instructions in this manual. It is not designed to operate outside of the specifications listed and any attempt to do so or tamper with the unit can cause damage to the unit and/or bodily harm. This unit is not a toy, keep out of reach from small children. If the unit requires service or repair, please contact your local service technician or sales representative.

- Please ensure feed water temperature is over 4 °C. Using water below 4 °C can cause ice to form and damage the unit.
- Please ensure power source is correct before connecting unit. Incorrect voltage could result in damage to unit and/or fire hazard.
- Do not cause damage to or use unit if the power cord is damaged. A damaged power cord could cause an electrical shock or fire hazard. If power cord is damaged, unplug and discontinue use immediately.

/ DISCLAIMER

In case of special circumstances during installation, you need to use accessories not included in the packing list of this product. Consumers are asked to purchase quality-guaranteed accessories through regular channels.

Monarch Water is not responsible for the quality of non-original accessories because of the quality problems of the accessories purchased by consumers. Monarch Water assumes no responsibility for any water leakage accident.

/ REGULAR MAINTENANCE

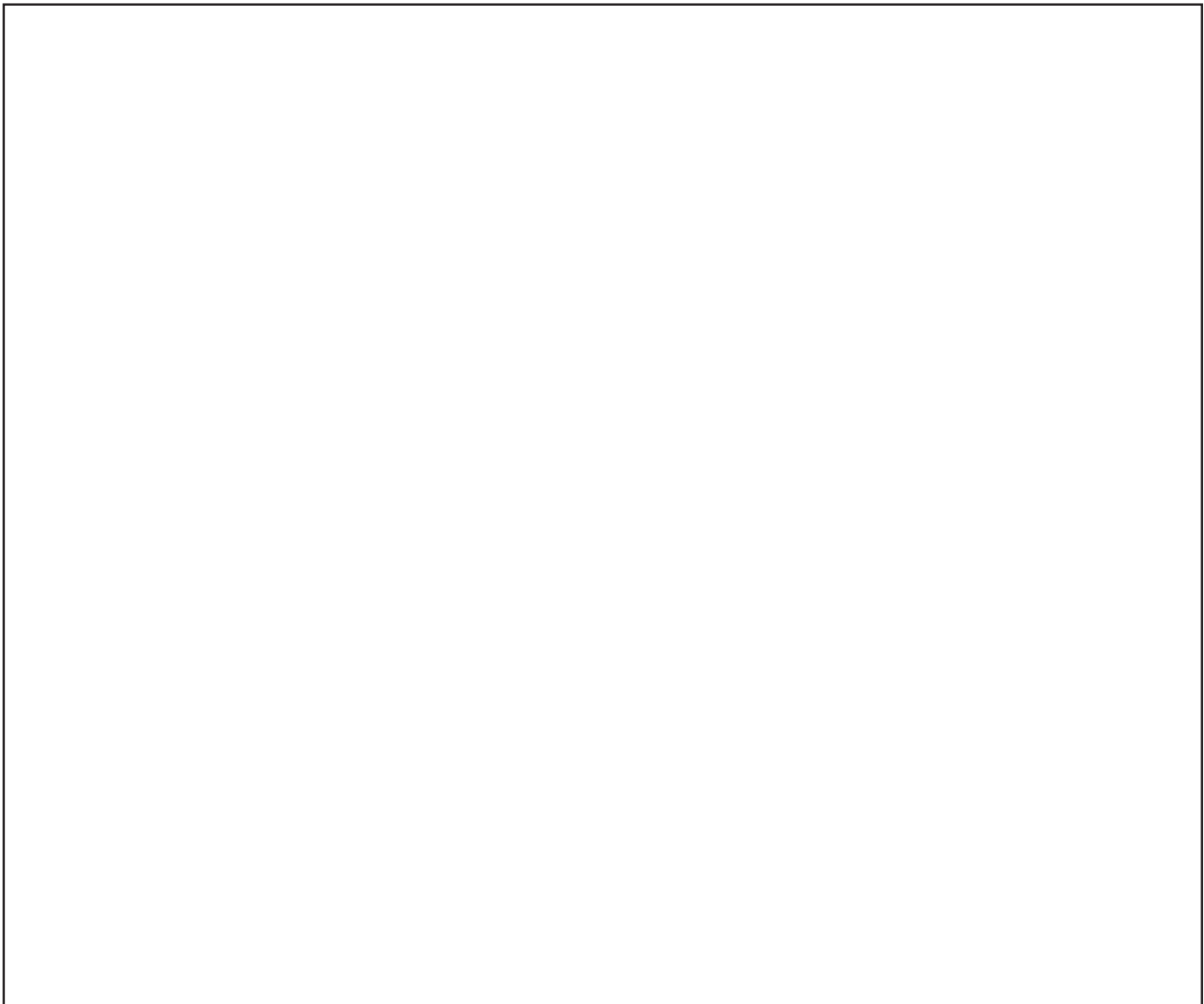
Please ensure you change your filters when recommended. Failure to change your filters regularly may invalidate your warranty. Regularly check the TDS level of your output water.

Ensure that you change your Reverse Osmosis Membrane when recommended or when the TDS level starts to rise.

For best performance, supply unit with softened water, as this will achieve maximum life expectancy of the membrane.

TO ORDER SPARE PARTS

Please contact your dealer for more information.



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